

INVITATION TO BID

Addendum # 1



Department Of Executive Services
Finance and Business Operations Division
Procurement and Contract Services Section
206-684-1681 TTY Relay: 711

Date: **August 24, 2005**

ITB Title:	Wheel Loader, Front-End, Rubber-Tired, 25,800 lbs
ITB Number:	12925-AAB
Due Date/Time:	September 8, 2005 - 2:00 P.M.
Buyer:	Amon Billups, amon.billups@metrokc.gov , (206)263-4270

This addendum is issued to revise Invitation to Bid 12925-AAB, advertised August 18, 2005, as follows:

1. Change the bid opening date from September 1, 2005, to Thursday, September 8, 2005 at 2:00 P.M. exactly.
2. Paragraph 4-1, Delivery; change " sixty (60) days " to read " **one hundred twenty (120) days**"
3. Replace Section 5, Technical Specifications and Section 8, Pricing, with Sections 5 and 8 (Rev 1) attached.

TO BE ELIGIBLE FOR AWARD OF THIS INVITATION TO BID, THIS ADDENDUM MUST BE SIGNED AND SUBMITTED ALONG WITH THE ORIGINAL INVITATION TO BID OR UNDER SEPARATE COVER TO: King County Procurement & Contract Services Section, Exchange Building, 8th Floor, 821 Second Avenue, Seattle, WA 98104-1598. Office hours: 8:00 a.m. – 5:00 p.m., Monday – Friday.

Company Name

Address		City / State / Postal Code	
Authorized Representative / Title	Signature	Phone	Fax
Company Contact / Title	Email	Phone	Fax
Delivery guaranteed: <input type="checkbox"/> Yes <input type="checkbox"/> No	Days after order:	Prompt Payment Discount Terms: ____%-____Days, Net ____	

This Invitation to Bid will be provided in alternative formats such as Braille, large print, audiocassette or computer disk for individuals with disabilities upon request.

SECTION 5 (REV. 1) -
TECHNICAL SPECIFICATIONS FOR SEVEN (7) OR MORE RUBBER-TIRED WHEEL LOADERS

This specification is intended to describe and set minimum specifications, acceptable for Rubber-Tired, Front-End, Wheel Loaders. The units shall be new, current standard productions models, completely serviced and prepared for customer delivery by a factory authorized dealer prior to delivery. The units shall include a six (6) year/3,500 hour warranty, six (6) year\3,500 hour guaranteed buy-back, the buy-back shall be a minimum of 70% of the original purchase cost. Bid responses shall include a guaranteed maximum repair cost for each year the guaranteed buy-back is in affect. Offerers shall respond to each specification with a check mark to indicate the item being bid is exactly as specified or a description to indicating any deviation from the specifications. Attach additional sheets if required.

MINIMUM REQUIREMENTS

5-1
OVERALL DIMENTIONS

- A. Length: Maximum acceptable 25 feet
- B. Width: Not less than 94 inches without bucket
- C. Height to hinge pin, fully raised: 12 feet 1 inch
- D. Minimum operating weight without use of ballast 25,800 24,900 lbs.

5-2
ENGINE

- A. Tier II certified, four stroke, turbocharged, six cylinder 5.9 liter, diesel engine
- B. Net horsepower 145 129hp at 2200 2300RPM
- C. Alternator: 50 amp
- D. Direct electric 24-volt starting and charging system
- E. Two (2) 12-volt, 900 CCA maintenance free batteries
- F. Dry type, radial seal air-cleaner with primary and secondary elements
- G. Engine cold weather starting aid.

5-3
TRANSMISSION

- A. Full power-shift transmission with torque converter, four (4) speeds forward and three (3) speeds reverse
- B. Computer controlled electric shift
- C. Quick shift button on hydraulic boom raise lever, automatic shift feature is selectable to shift between gears 1-4 or 2-4
- D. Single lever control for gear and direction
- E. Governed speeds with 20.5-25 tires

**SECTION 5 (REV.1) - TECHNICAL SPECIFICATIONS
FOR SEVEN (7) OR MORE RUBBER-TIRED WHEEL LOADERS**

MINIMUM REQUIREMENTS

1. Forward

a. ~~4.3~~ **4.2** MPH _____b. ~~7.6~~ **7.4** _____c. ~~14.2~~ **11.2** _____d. ~~23.8~~ **23.4** _____

2. Reverse

a. ~~4.5~~ **4.2** MPH _____b. ~~7.8~~ **7.6** _____3. ~~15.0~~ **11.2** _____**5-4 BRAKES**

- A. Shall meet SAE J1473 and ISO 3450-1996 standards _____
- B. Service brakes: Shall be 4-wheel, hydraulic wet-disc, long life and self adjusting _____
- C. Parking brake: Shall be automatically spring applied, hydraulically or air released disc _____

5-5 HYDRAULIC SYSTEM

- A. Loader shall feature hydraulic lift, lower, dump, roll back and float features _____
- B. Auxiliary valve with quick couplers and lines to end of boom. Couplers shall be compatible with existing King County, 4-in-1 buckets and other attachments. **Couplings shall be Stucchi Model VEP with connect under pressure feature** _____
- C. Shall have axial piston or vane pump; closed center, pressure compensating system _____
- D. Maximum Hydraulic cycle times:
- 1. Raise ~~5.7~~ **6.3** seconds _____
 - 2. Dump..... ~~1.5~~ **1.7** seconds _____
 - 3. Lower, empty, down..... 4.4 seconds _____
- E. Control Features: Four-function hydraulic valve with joystick control and two (2) levers _____
- F. Lift Capacity: ground level 18,100 lbs. with coupler _____
- G. Straight line tipping load 18,100 lbs. with coupler _____

SECTION 5 (REV.1) - TECHNICAL SPECIFICATIONS

FOR SEVEN (7) OR MORE RUBBER-TIRED WHEEL LOADERS

MINIMUM REQUIREMENTS

- H.

Full turn tipping load (40 degree) 15,300 lbs. with coupler
- I.

Unit shall be delivered to King County with hydraulic system and tank filled with Bio-based biodegradable oil, "NO EXCEPTIONS" documentation shall be provided

5-6
AXLES

- A.

Fixed front, oscillating rear + or - 12 11 degrees
- B.

Maximum single-wheel rise and fall ~~46~~ 12.8 inches

5-7
FINAL DRIVES

- A.

Planetary final drives to each wheel
- B.

Standard front and rear axle
- ~~C.~~

~~Hydraulic lock front axle~~ (see items 6 and 7 on pricing page)

5-8
LOADER

- A.

Shall be equipped with a general purpose bucket with a minimum SAE heaped capacity of 3.0 cubic yards to include bolt on cutting edge. Loader shall include automatic return-to-dig and bucket self-leveling, bucket width not to exceed 102 inches
- B.

JRB Model 300 hydraulic quick coupler, shall be compatible with existing King County attachments
- C.

Minimum SAEJ732C bucket breakout force of 19,000 lbs. with coupler
- D.

Bucket shall have sufficient "rap-out" to knock sticky material out of bucket
- E.

Loader shall have a minimum dump clearance to the cutting edge of 103 inches at full height @ 45 degree with coupler
- F.

4-in-1 bucket with a heaped capacity of 2.5 cubic yards shall be equipped with inner and outer replaceable cutting edges
- G.

Unit shall be equipped with ample rear ballast to allow stable operation and control with loaded bucket

5-9
CAB

- A.

Pressurized with sound suppression and roll-over protective structure (ROPS)
- B.

Shall include back-lit rocker switches, engine key start/shut-off switch, floor-mat, conveniently located fuse panel
- C.

Warning indicators for: alternator, volt-meter, engine oil pressure, coolant temperature, fuel gauge, hydraulic oil temperature, hydraulic filter bypass,

**SECTION 5 (REV.1) - TECHNICAL SPECIFICATIONS
 FOR SEVEN (7) OR MORE RUBBER-TIRED WHEEL LOADERS**

MINIMUM REQUIREMENTS

- | | |
|---|-------|
| parking brake, service brake oil level, transmission oil temperature,
transmission oil pressure, windshield washer/wiper | _____ |
| D. Horn switch | _____ |
| E. Hydraulic power steering | _____ |
| F. Hydraulic implement controls | _____ |
| G. Low effort foot controls | _____ |
| H. Highest quality cloth covered, adjustable, air suspension seat | _____ |
| I. Seat-belts, retractable | _____ |
| J. Service hourmeter | _____ |
| K. Tilt adjustable steering wheel | _____ |
| L. Locking cab and compartment doors, common keyed | _____ |
| M. Fenders, front and rear | _____ |
| N. Fire extinguisher | _____ |
| O. Heater/air conditioner, 25,000 BTU\HR with four (4) vents | _____ |
| P. Tie downs at each corner | _____ |
| Q. Master electrical disconnect | _____ |
| R. Work lights, two (2) front, two (2) rear | _____ |
| S. Left and right side exterior mirrors; rear view mirror in cab | _____ |
| T. Tires 20.5R25 XHAT Michelin radials with one two (-+ 2) spare rims.
Note: Substitute tire brand may be acceptable with manufacturer's
 documentation of unavailability of Michelin tires. The Contractor
 shall submit substitute tire brand for approval by King County
 prior to delivery of equipment | _____ |
| U. Vandalism protection package | _____ |
| V. Windshield wipers with washers, front and rear | _____ |
| W. AM\FM radio | _____ |
| X. Ground level door release | _____ |
| Y. High profile, sound suppressed cab | _____ |
| Z. Sweep-out cab floor | _____ |
| AA. Air conditioning, factory installed | _____ |
| BB. Defroster fans, front and rear | _____ |
| CC. Directional signal lights | _____ |

**SECTION 5 (REV.1) - TECHNICAL SPECIFICATIONS
 FOR SEVEN (7) OR MORE RUBBER-TIRED WHEEL LOADERS**

MINIMUM REQUIREMENTS

- DD. SMV (slow moving vehicle) sign, mounted left rear of unit _____
- EE. Rear, center roof mounted Whelen model 800D strobe light _____
- FF. Backup alarm _____

5-10 ROPS\FOPS FEATURES

- A. ROPS shall meet the following criteria, SAE J394, SAE J1040 APR88 and ISO 3471-1986 _____
- B. FOPS shall meet the following criteria, SAE J231 JAN81 and ISO 3449-1992 Level II _____

5-11 STEERING

- A. Shall be full hydraulic power steering. Meets SAE J1511 FEB94 and ISO 5010: 1992 _____
- B. Shall be equipped with true center-point steering, frame articulation with locking bar\pin _____

5-12 MANDATORY TRADE-IN

- A. King County is trading-in the following equipment:
 Seven (7), 1999 John Deere 544H Loaders
 • KC #EFL053....SN: DW544HX573939.... 2151 Hrs.
 • KC #EFL054....SN: DW544HX573941.... 2543 Hrs.
 • KC #EFL055....SN: DW544HX573955.... 2488 Hrs.
 • KC #EFL056....SN: DW544HX573959.... 1927 Hrs.
 • KC #EFL057....SN: DW544HX573957.... 1600 Hrs.
 • KC #EFL058....SN: DW544HX573977.... 2407 Hrs.
 • KC #EFL059....SN: DW544HX573979.... 2364 Hrs.
 Due to a guaranteed repurchase price on these wheel loaders from the original bid, King County will not accept any offer less than \$71,550.00 ea., for a trade-in offer to be considered responsive. _____
- B. Trade-in price will be used to determine award to the lowest responsive bid for the new equipment. To arrange a time to appraise the trade-in's contact: Bob Toppen at (206) 296-8159. _____

5-13 BUY-BACK

- Bid price to include guaranteed 6 year/3,500 hour buy-back. Buy-back shall be a minimum of 70% of the original purchase price. _____

**SECTION 5 (REV.1) - TECHNICAL SPECIFICATIONS
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MINIMUM REQUIREMENTS

5-14 WARRANTY

- A. Entire machine shall be covered by a twenty-four (24) month parts and labor warranty. Powertrain shall be warranted for six (6) years or 3,500 hours. _____
- B. A full time complete parts and service facility offering factory authorized service and a parts supply adequate to perform complete repairs is required. Facility shall be within a fifty (50) mile radius of the King County Department of Transportation, Fleet Maintenance Facility at: 155 Monroe Ave NE, Renton, WA 98056 _____
- C. Quote price for factory available warranty programs, above and beyond the base warranty, supply printed literature with bid. _____
- D. Inspection of offerers parts and service facility may be required before bid award. _____
- E. Contractor shall provide a contact name and a direct telephone number that is toll free from the King County DOT. _____
- F. King County will be responsible for all warranty and recall work. The Contractor shall reimburse King County for all warranty and recall work at current manufacturers warranty reimbursement rate per hour. King County reserves the right to have the Contractor perform warranty work at King County's discretion. The Contractor shall accept responsibility and cost for transportation of unit from within King County to authorized repair facility and or field technician travel time to and from repairs for the base warranty period, state factory warranty rate. \$ _____/hr
- G. Warranty shall begin on date unit is placed into service, not delivery date. Contractor will be notified. _____
- H. Copies of all applicable warranties shall be submitted with bid package. Additional data entry form shall be completed and delivered with equipment. _____
- I. If unit(s) is sent to dealer or recalled and cannot be repaired within two (2) working days a loaner of comparable size shall be supplied to King County at no charge. _____

5-15 GENERAL

- A. Only new models in current production which are cataloged by the manufacturer, and for which printed literature and specifications are available are acceptable. _____
- B. A performance demonstration may be required before bid award. Performance demonstration shall be of unit per basic specifications. _____

SECTION 5 (REV.1) - TECHNICAL SPECIFICATIONS
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MINIMUM REQUIREMENTS

- C.

All standard equipment and components necessary for operation and normally supplied shall be furnished, even if not called out in specifications.
- D.

All equipment shall be new. Used, demonstration, rebuilt or remanufactured equipment is unacceptable. All items requested in the specifications shall be factory available, no aftermarket equipment will be accepted.
- E.

The equipment shall have full dealer preparation and be ready for service when delivered.
- F.

The equipment shall be delivered with the following items. Delivery will not be considered complete without delivery and acceptance of all items.

1.

Title application for each unit delivered

2.

Manufacturers statement of origin for each unit delivered

3.

Original billing invoice

4.

Certified weight slip for machine

5.

Two (2) lube chart per order

6.

One (1) complete, bound technical service manual per order, CD format preferred

7.

One (1) bound parts manual per order, CD format preferred

8.

One (1) bound operators manual per unit

9.

Two (2) safety/pre-operation checks video per order, CD format preferred.

10.

One (1) complete set of filters and belts shall be supplied with each unit ordered.

11.

One (1) list of all consumable maintenance items including description and part numbers. List shall include filters, belts, wiper blades and cooling system hoses applicable to units ordered.

5-16 TRAINING

- A.

Operators training covering familiarization and operation of all standard and optional features as unit (s) ordered are equipped, shall be provided. The Contractor shall provide two (2) separate sessions if necessary. Date and location shall be specified when the equipment is accepted.

**SECTION 5 (REV.1) - TECHNICAL SPECIFICATIONS
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MINIMUM REQUIREMENTS

- B. Shop technician training **for two (2) technicians** shall be provided on basic systems operation, troubleshooting all unit systems and general maintenance. Since all King County technicians have basic skills, this training shall be specifically applied to all unit systems and be performed by the equipment manufacturer's authorized service trainer. The course outline "**shall**" be submitted with the bid response. Offerers shall calculate all costs for training and include in their bid response, including travel and lodging, if required. Training shall be scheduled prior to delivery of equipment **and shall be completed not later than 4 months after delivery.**
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SECTION 8 (REV. 1) - PRICING

Item No.	Est Quantity	Description	Unit Price	Total Price
1.	7 ea	Front-End Wheel Loader, Rubber-Tired, 28,000 lb, Diesel Powered Yr/Make/Model: _____	\$ _____	\$ _____
2.	7 ea	Scheduled Maintenance Cost (from Scheduled Maintenance Calculation Form)	\$ _____	\$ _____
3.	7 ea	Guarantee Maximum Repairs (6 yrs/3,500 hrs, per paragraph 4-4)	\$ _____	\$ _____
4.	7 ea	Inventory Repair Parts (from paragraph 6-5)	\$ _____	\$ _____
5.	7 ea	Future Repurchase Price (6 yrs/3,500 hrs, backed by performance bond)	\$ _____	\$ _____

Offerors shall provide a price for item #6 or #7

6.	7 ea	Limited slip front differential	\$ _____	\$ _____
7.	7 ea	Hydraulic locking front differential	\$ _____	\$ _____
8.	1 lt	Trade-in: 1999 JD Wheel Loaders	\$ _____	\$ _____
		KC #EFL053SN: DW544HX573939 ... \$ _____		
		KC #EFL054SN: DW544HX573941 ... \$ _____		
		KC #EFL055SN: DW544HX573955 ... \$ _____		
		KC #EFL056SN: DW544HX573959 ... \$ _____		
		KC #EFL057SN: DW544HX573957 ... \$ _____		
		KC #EFL058SN: DW544HX573977 ... \$ _____		
		KC #EFL059SN: DW544HX573979 ... \$ _____		

TOTAL BID PRICE (1+2+3+4-5+6 or 7-8) \$ _____